

INTERNATIONAL SEARCH REPORT

national Application No

T/IB2004/051437

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	C25C3/06	C25C3/08	C25C7/00
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C25C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 670 110 A (UPPERMAN GARY V ET AL) 2 June 1987 (1987-06-02)	24,25
A	column 22, line 45 - line 65; claim 3; figures 8-11 -----	1-23,26, 27
X	US 4 214 956 A (BOWMAN KENNETH A) 29 July 1980 (1980-07-29)	24,25
A	column 3, line 5 - line 15; figure 1 column 4, line 57 - line 69; claims 1,7; example 2 -----	1-23,26, 27
X	US 4 115 215 A (DAS SUBODH K ET AL) 19 September 1978 (1978-09-19)	24,25
A	column 2, line 38 - line 52; claim 1; figures 1,2 column 4, line 33 - line 40; example 1 -----	1-23,26, 27
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

Date of mailing of the international search report

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/010628 A1 (DE NORA VITTORIO ET AL) 16 January 2003 (2003-01-16) abstract; claim 39 -----	1-27
A	US 6 562 224 B2 (CROTTAZ OLIVIER ET AL) 13 May 2003 (2003-05-13) column 2, line 62 - line 67; claim 1 -----	1-27

Information on patent family members

International Application No
PCT/IB2004/051437

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 4670110	A	02-06-1987	US	4338177 A	06-07-1982	
			AU	536925 B2	31-05-1984	
			AU	5742780 A	08-01-1981	
			BR	8002316 A	30-12-1980	
			CH	649102 A5	30-04-1985	
			DE	3012694 A1	22-01-1981	
			ES	8104440 A1	01-07-1981	
			FR	2459842 A1	16-01-1981	
			GB	2051864 A ,B	21-01-1981	
			IT	1143193 B	22-10-1986	
			NL	8002381 A	30-12-1980	
			NO	801022 A	29-12-1980	
			NZ	193092 A	30-09-1983	
			SE	8002797 A	28-12-1980	
			US	4342637 A	03-08-1982	
US 4214956	A	29-07-1980	NONE			
US 4115215	A	19-09-1978	AU	512224 B2	02-10-1980	
			AU	2701177 A	18-01-1979	
			BR	7706198 A	18-07-1978	
			CA	1103613 A1	23-06-1981	
			DE	2740732 A1	23-03-1978	
			ES	462403 A1	01-06-1978	
			FR	2365644 A1	21-04-1978	
			GB	1568118 A	29-05-1980	
			GR	69793 A1	07-07-1982	
			HU	177164 B	28-08-1981	
			IT	1090303 B	26-06-1985	
			JP	1137810 C	11-03-1983	
			JP	53039916 A	12-04-1978	
			JP	57027943 B	14-06-1982	
			NO	772964 A	28-03-1978	
			PL	200993 A1	24-04-1978	
			SE	7709505 A	23-03-1978	
			US	RE30330 E	08-07-1980	
US 2003010628	A1	16-01-2003	AT	276384 T	15-10-2004	
			AU	1544501 A	18-06-2001	
			AU	773442 B2	27-05-2004	
			AU	1722401 A	18-06-2001	
			AU	776726 B2	16-09-2004	
			AU	7679400 A	08-05-2001	
			CA	2384318 A1	03-05-2001	
			CA	2393415 A1	14-06-2001	
			CA	2393429 A1	14-06-2001	
			DE	60013886 D1	21-10-2004	
			EP	1230435 A1	14-08-2002	
			EP	1238124 A1	11-09-2002	
			EP	1244826 A1	02-10-2002	
			WO	0142536 A1	14-06-2001	
			WO	0142535 A1	14-06-2001	
			NO	20021952 A	25-04-2002	
			NO	20022715 A	07-06-2002	
			NO	20022718 A	07-06-2002	
			NZ	517675 A	29-10-2004	
			US	2003066755 A1	10-04-2003	
			AU	770338 B2	19-02-2004	

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 2003010628	A1		AU 7679500 A	08-05-2001
			CA 2387414 A1	03-05-2001
			EP 1230436 A1	14-08-2002
			WO 0131086 A1	03-05-2001
			WO 0131087 A1	03-05-2001
			NO 20021953 A	25-04-2002
			NZ 517674 A	30-07-2004
US 6562224	B2	20-09-2001	US 6372099 B1	16-04-2002
			AU 4795099 A	21-02-2000
			CA 2339011 A1	10-02-2000
			EP 1105553 A1	13-06-2001
			US 2001022274 A1	20-09-2001
			AU 755540 B2	12-12-2002
			AU 4794899 A	21-02-2000
			AU 755103 B2	05-12-2002
			AU 4794999 A	21-02-2000
			CA 2339092 A1	10-02-2000
			CA 2339095 A1	10-02-2000
			EP 1112394 A1	04-07-2001
			EP 1102874 A1	30-05-2001
			WO 0006802 A1	10-02-2000
			WO 0006803 A1	10-02-2000
			WO 0006804 A1	10-02-2000
			NO 20010493 A	29-01-2001
			NO 20010494 A	29-01-2001
			AU 4794599 A	21-02-2000
			CA 2341233 A1	10-02-2000
			EP 1109952 A1	27-06-2001
			WO 0006800 A1	10-02-2000
			US 2002074223 A1	20-06-2002
			US 2001019017 A1	06-09-2001